



FORM PTO-1449 DECEMBER 2003 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VANM256.001AUS	APPLICATION NO. 10/815,490
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Cerf et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE July 7, 2003	GROUP 2131

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

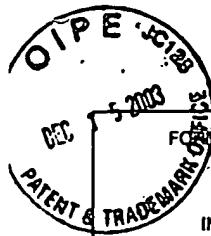
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
22	1.	Gisin, N., Ribordy, G., Tittel, W. & Zbinden H., <i>Rev. Mod. Phys.</i> 74 , 145 (2002)
22	2.	Hillery, M., Quantum cryptography with squeezed states, <i>Phys. Rev. A</i> 61 , 022309-1—022309-8 (2000)
22	3.	Ralph, T. C., Continuous variable quantum cryptography, <i>Phys. Rev. A</i> 61 , 010303(R)-1—010303-4 (1999)
22	4.	Ralph, T. C., Security of continuous-variable quantum cryptography., <i>Phys. Rev. A</i> 62 , 062306-1—062306-7 (2000)
22	5.	Reid, M. D., Quantum cryptography with a predetermined key, using continuous-variable Einstein-Podolsky-Rosen correlations, <i>Phys. Rev. A</i> 62 , 062308-1—062308-6 (2000)
22	6.	Gottesman, D. & Preskill, J., Secure quantum key distribution using squeezed states, <i>Phys. Rev. A</i> 63 , 022309-1—022309-18 (2001)
22	7.	Cerf, N. J., Lévy, M. & Van Assche, G. Quantum distribution of gaussian keys using squeezed states, <i>Phys. Rev. A</i> 63 , 052311-1—052311-5 (2001)
22	8.	Bencheikh, K., Symul, Th., Jankovic, A. & Levenson, J.A., Quantum key distribution with continuous variables, <i>J. Mod. Optics</i> 48 , 1903-1920 (2001)
22	9.	Cerf, N.J., Iblisdir, S. & Van Assche, G., Cloning and cryptography with quantum continuous variables, <i>Eur. Phys. J. D</i> 18 , 211-218 (2002)
22	10.	Silberhorn, Ch., Korolkova, N. & Leuchs, G., Quantum key distribution with bright entangled beams, <i>Phys. Rev. Lett.</i> 88 , 167902-1—167902-4 (2002)
22	11.	Grosshans, F. & Grangier, Ph., Continuous variable quantum cryptography using coherent states, <i>Phys. Rev. Lett.</i> 88 , 057902-1—057902-4 (2002)

EXAMINER	DATE CONSIDERED
<i>John May</i>	1/11/06

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



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JZ	12. Cerf, N.J., Ipe, A. & Rottenberg, X., Cloning of continuous variables, <i>Phys. Rev. Lett.</i> 85 , 1754-1757 (2000)		
JZ	13. Cerf, N.J. & Iblisdir, S., Optimal N-to-M cloning of conjugate quantum variables, <i>Phys. Rev. A</i> 62 , 040301(R)-1—040301-3 (2000)		
JZ	14. Grosshans, F. & Grangier, Ph., Quantum cloning and teleportation criteria for continuous quantum variables, <i>Phys. Rev. A</i> 64 , 010301(R)-1—010301-4 (2001)		
JZ	15. Duan, L.-M., Giedke, G., Cirac, J. I. & Zoller, P., Entanglement purification of gaussian continuous variable quantum states, <i>Phys. Rev. Lett.</i> 84 , 4002-4005 (2000)		
JZ	16. Poizat, J.Ph., Roch, J.-F. & Grangier, P., Characterization on quantum non-demolition measurements in optics, <i>Ann. Phys. (Paris)</i> 19 , 265-297 (1994)		
JZ	17. Grangier, Ph., Levenson, J. A. & Poizat, J.-Ph., Quantum non-demolition measurements in optics, <i>Nature</i> 396 , 537-542 (1998)		
JZ	18. Grosshans, F. & Grangier, Ph., Reverse reconciliation protocols for quantum cryptography with continuous variables, <i>E-print arXiv:quant-ph/0204127-1—0204127-5</i> (April 2002)		
JZ	19. Nguyen, K., <i>Extension des Protocoles de Réconciliation en Cryptographie Quantique</i> , Master Thesis, table of contents, (Université Libre de Bruxelles, Bruxelles, 2002)		
JZ	20. Bennett, C.H. & Brassard, G., Quantum cryptography: Public key distribution and coin tossing, <i>Proceedings of the IEEE International Conference on Computers, Systems, and Signal Processing</i> , Bangalore, India, 175-179 (IEEE, New York, 1984)		
JZ	21. Brassard, G. & Salvail, L., Secret-key reconciliation by public discussion, <i>Advances in Cryptology - Eurocrypt'93, Lecture Notes in Computer Science</i> , 410-423 (Springer-Verlag, New York, 1993)		
JZ	22. Van Assche, G., Cardinal, J. & Cerf, N.J., Reconciliation of a quantum-distributed Gaussian key, <i>E-print arXiv:cs.CR/0107030</i> (2002)		
JZ	23. Maurer, U. M. & Wolf, S., Information theoretic key agreement : from weak to strong secrecy for free, <i>Advances in Cryptology - Eurocrypt 2000, Lecture Notes in Computer Science</i> , 351-368 (Springer-Verlag, New York, 2000)		
JZ	24. Maurer, U.M., Secret key agreement by public discussion from common information, <i>IEEE Trans. Inform. Theory</i> 39 , 733-742 (1993)		
JZ	25. Bennett, C. H., Brassard, G., Crépeau, C. & Maurer, U.M., Generalized privacy amplification, <i>IEEE Trans. on Inform. Theory</i> 41 , 1915-1935 (1995)		
JZ	26. Carter, J.L. & Wegman, M.N., Universal Classes of Hash Functions, <i>J. of Comp. and Syst. Sci.</i> 18 , 143-154 (1979)		
JZ	27. Schönhage, A., Schnelle Multiplikation von Polynomen über Körpern der Charakteristik 2, <i>Acta Informatica</i> 7 , 395-398 (summary in English) (1977)		
JZ	28. Brent, R.P., Larvala, S. & Zimmermann, P., A fast algorithm for testing irreducibility of trinomials mod 2, <i>Tech. Rep., Oxford University Computing Laboratory</i> , 1-16 (2000)		
JZ	29. Braunstein, S.L. & Pati, A.K., Quantum information with continuous variables, table of contents, Kluwer Academic, Dordrecht, 2003		
JZ	30. Stucki, D., Gisin, N., Guinnard, O., Ribordy, G. & Zbinden H., Quantum Key Distribution over 67 km with a plug&play system, <i>E-print arXiv:quant-ph/0203118</i> (2002).		

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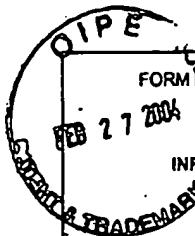


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VANM258.001AUS	APPLICATION NO. 10/815,490
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JR	31.	Buttler, W.T., Lamoreaux, S.K., Torgerson, J.R., Nickel, G.H., Donahue, C.H., & Peterson, C.G., Fast, efficient error reconciliation for quantum cryptography. <i>E-print arXiv:quant-ph/0203096</i> (2003)
JR	32.	Grosshans F., Van Assche G., Wenger J., Brouri R., Cerf N. J. & Grangier Ph., Quantum key distribution using gaussian-modulated coherent states, <i>Nature</i> 421, 238-241 (2003)

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<i>h2</i>	1. Tittle et al., "Quantum Cryptography," <i>Physics World</i> , 41-45 (March 1998)	

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